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ABSTRACT

This book contains 40 lessons in problem solving divided into five chapters. Chapter 1 contains several lessons in which solutions are derived through investigation of numerical patterns. Chapter 2 contains lessons in which problem-solving situations are presented in a graphical context. It also includes two lessons in which students construct their own graphs, then use those graphs to solve problems. Chapter 3 contains lessons in which information is presented in a picture or chart format, and students use this information to solve related problems. The lessons in this chapter involve such things as telephone and electric bills, time zones, and tournaments. Chapter 4 involves problem solving in a geometric context and contains lessons involving both two-dimensional and three-dimensional geometry. Lessons in Chapter 5 involve problem solving in a probability context. (JRH)

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